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Statement of participation

Rebaone Khanyisile Cynthia Vilakazi

has completed the free course including any mandatory tests for:

An introduction to software development

This 6-hour free course discussed the engineering nature of software development, its challenges and some fundamental ways to meet them.

Issue date: 21 February 2024

www.open.edu/openlearn

This statement does not imply the award of credit points nor the conferment of a University Qualification.
This statement confirms that this free course and all mandatory tests were passed by the learner.

Please go to the course on OpenLearn for full details:
https://www.open.edu/openlearn/science-maths-technology/an-introduction-software-development/content-section-0

COURSE CODE: **M813_1**

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An introduction to software development

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Course summary

Software development is the practice of organising the design and construction of software, the beating heart of much technology fundamental to our personal and professional life. This free introductory course, An introduction to software development, discusses the engineering nature of software development, its challenges and some fundamental practices which have developed to meet them. Software development is a fast-moving discipline and as a software development professional you must be able to track its leading edge. The course also teaches you some fundamental skills to help you interact with the growing published academic and professional literature on the subject.

Learning outcomes

By completing this course, the learner should be able to:

- appreciate the engineering nature of software development
- describe key activities in software development and the role of modelling
- explain key concepts in software development such as risk and quality
- explain the basics of an object-oriented approach to software development
- describe a simple workflow for interacting with the published literature on software development.

Completed study

The learner has completed the following:

Section 1

Software development as engineering

Section 2

Software development processes

Section 3

Why is software development difficult?

Section 4

Risk

Section 5

Software quality

Section 6

Modelling and the UML

Section 7

Object orientation

Section 8

Finding and reading academic articles